

Soil Microbiology Winter Training Program

The Soil Microbiology Winter Training Program offers practical skills in soil microbial techniques, focusing on applications in agriculture and environmental management. It is ideal for participants looking for intensive hands-on training during the winter season.

Note: Below modules are designed keeping high end industrial professionals into consideration. Please refer individual protocols below for affordable prices.

Advanced Soil Microbial Analysis

Kindly review the fees outlined for the individual protocols listed in this module.

- Next-generation sequencing (NGS) for microbial profiling
- Metagenomics for identifying functional genes in soil microbes
- Correlation between microbial diversity and soil health metrics
- Case studies on advanced soil microbial analysis techniques

Biofertilizer Production and Applications

Kindly review the fees outlined for the individual protocols listed in this module.

- Formulation and application of multi-strain biofertilizers
- Quality assurance and certification for biofertilizer products
- Field application strategies for improving crop productivity
- Case studies on successful biofertilizer integration in farming systems

Soil Microbial Enzymology and Functions

Kindly review the fees outlined for the individual protocols listed in this module.

- Enzyme activity assays for evaluating soil fertility
- Microbial roles in nutrient cycling and organic matter decomposition
- Applications of microbial enzymes in sustainable agriculture

- Correlation between soil enzyme activity and crop yield improvement

Microbial Interactions in Soil Ecosystems

Kindly review the fees outlined for the individual protocols listed in this module.

- Microbial competition and cooperation in soil environments
- Effects of abiotic stress on microbial communities
- Impact of agricultural inputs on microbial diversity
- Experimental trials for enhancing microbial interactions in the field

Sustainable Practices in Soil Microbiology

Kindly review the fees outlined for the individual protocols listed in this module.

- Role of microbial consortia in reducing chemical inputs
- Enhancing soil organic matter through microbial activity
- Evaluating the environmental impact of microbial interventions
- Integration of microbial techniques into precision agriculture

Individual Protocols Under Soil Microbiology Winter Training Program

1. Quantitative PCR for soil microbial diversity studies | **Fee: Contact for fee**
2. Next-generation sequencing (NGS) for microbial profiling | **Fee: Contact for fee**
3. Metagenomics for identifying functional genes in soil microbes | **Fee: Contact for fee**
4. Correlation between microbial diversity and soil health metrics | **Fee: Contact for fee**
5. Case studies on advanced soil microbial analysis techniques | **Fee: Contact for fee**
6. Large-scale production of nitrogen-fixing and phosphate-solubilizing microbes | **Fee: Contact for fee**
7. Formulation and application of multi-strain biofertilizers | **Fee: Contact for fee**
8. Quality assurance and certification for biofertilizer products | **Fee: Contact for fee**
9. Field application strategies for improving crop productivity | **Fee: Contact for fee**
10. Case studies on successful biofertilizer integration in farming systems | **Fee: Contact for fee**
11. Profiling key soil enzymes like dehydrogenase and phosphatase | **Fee: Contact for fee**
12. Enzyme activity assays for evaluating soil fertility | **Fee: Contact for fee**
13. Microbial roles in nutrient cycling and organic matter decomposition | **Fee: Contact for fee**

14. Applications of microbial enzymes in sustainable agriculture | **Fee: Contact for fee**
15. Correlation between soil enzyme activity and crop yield improvement | **Fee: Contact for fee**
16. Plant-microbe interactions and rhizosphere studies | **Fee: Contact for fee**
17. Microbial competition and cooperation in soil environments | **Fee: Contact for fee**
18. Effects of abiotic stress on microbial communities | **Fee: Contact for fee**
19. Impact of agricultural inputs on microbial diversity | **Fee: Contact for fee**
20. Experimental trials for enhancing microbial interactions in the field | **Fee: Contact for fee**
21. Developing eco-friendly microbial solutions for soil health | **Fee: Contact for fee**
22. Role of microbial consortia in reducing chemical inputs | **Fee: Contact for fee**
23. Enhancing soil organic matter through microbial activity | **Fee: Contact for fee**
24. Evaluating the environmental impact of microbial interventions | **Fee: Contact for fee**
25. Integration of microbial techniques into precision agriculture | **Fee: Contact for fee**

Please contact on +91-8977624748 for more details

Cant Come to Hyderabad? No Problem, You can do it in Virtual / Online Mode